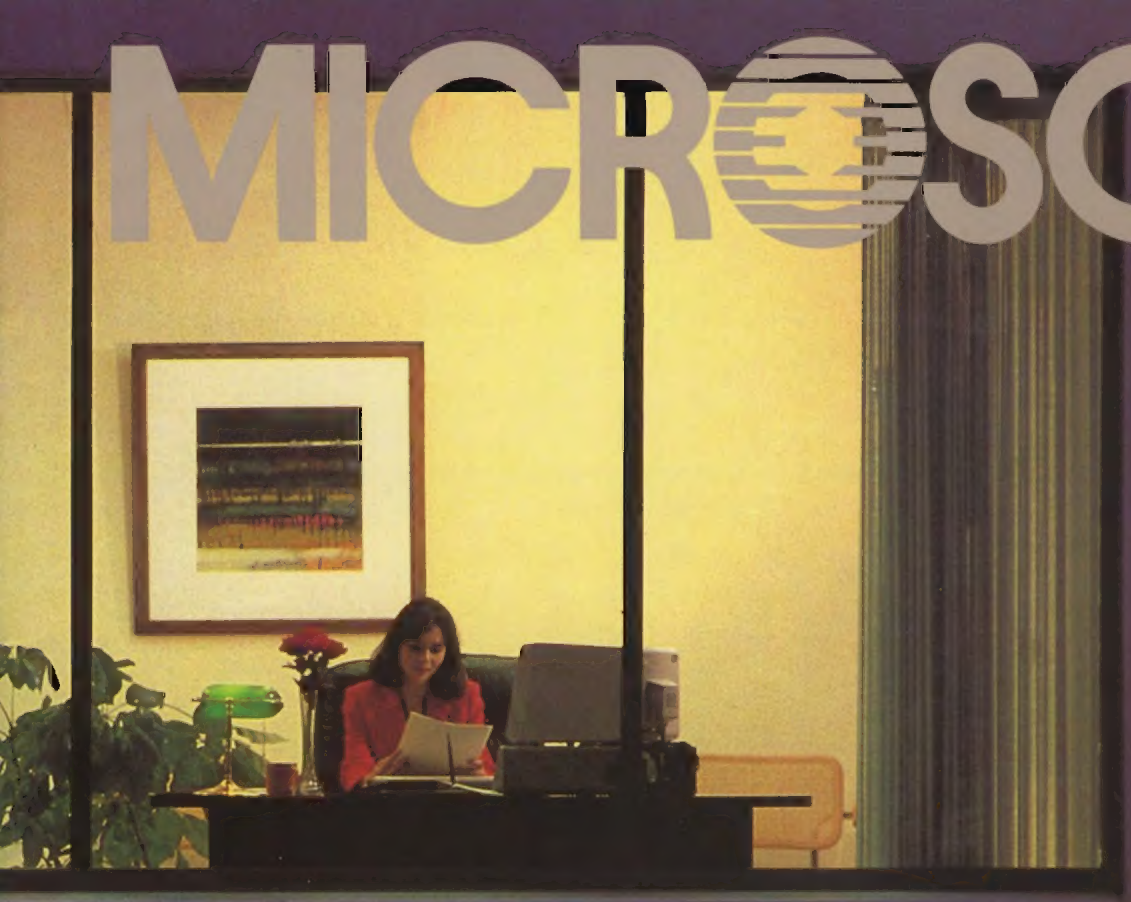
MICROSOFT®



Spring 1985 Catalog

The high performance software for your personal computer.

A message from Microsoft.

We want you to get the most out of your software and microcomputer. That's why we design products that are easy to learn and use. And why each of our products includes extensive documentation designed to answer questions you may have about the application you're using.

Registration Card Program.

That's also the reason for our Registration Card Program. In every Microsoft product, you'll find a registration card. By filling out and returning the card, you qualify for the following important benefits: technical advice, the disk-replacement policy, and our ongoing product upgrade plan.

Technical advice via our Microsoft Help Hotline.

Most of the time you can find answers to your questions by looking in the documentation that accompanies each product. Or by talking with your Microsoft dealer. But if you can't, it's nice to know you have access to extensive technical support for our products. Just give us a call on our Help Hotline and a member of our Product Support staff will help you.

A 90-day disk-replacement policy.

For a period of 90 days from the date of purchase, the disk on which your Microsoft program is recorded is warranted, under a limited warranty, to be free of defects in materials and workmanship. If it's not, we will replace it—free of charge—during the warranty period.

The ongoing product upgrade plan.

Whenever we release a new version of one of our products, we'll drop you a note outlining the features we've added. So you'll have an opportunity to add new features to your program for a small fraction of the retail price.

Our Registration Card Program is an example of our commitment to deliver powerful, reliable, easy-to-use solutions for business, industry, and education. Solutions like MS-DOS®, the operating system that tells the IBM® PC how to think. And Microsoft® BASIC, the language spoken by nine out of ten micros worldwide.

Microsoft. The high performance software.

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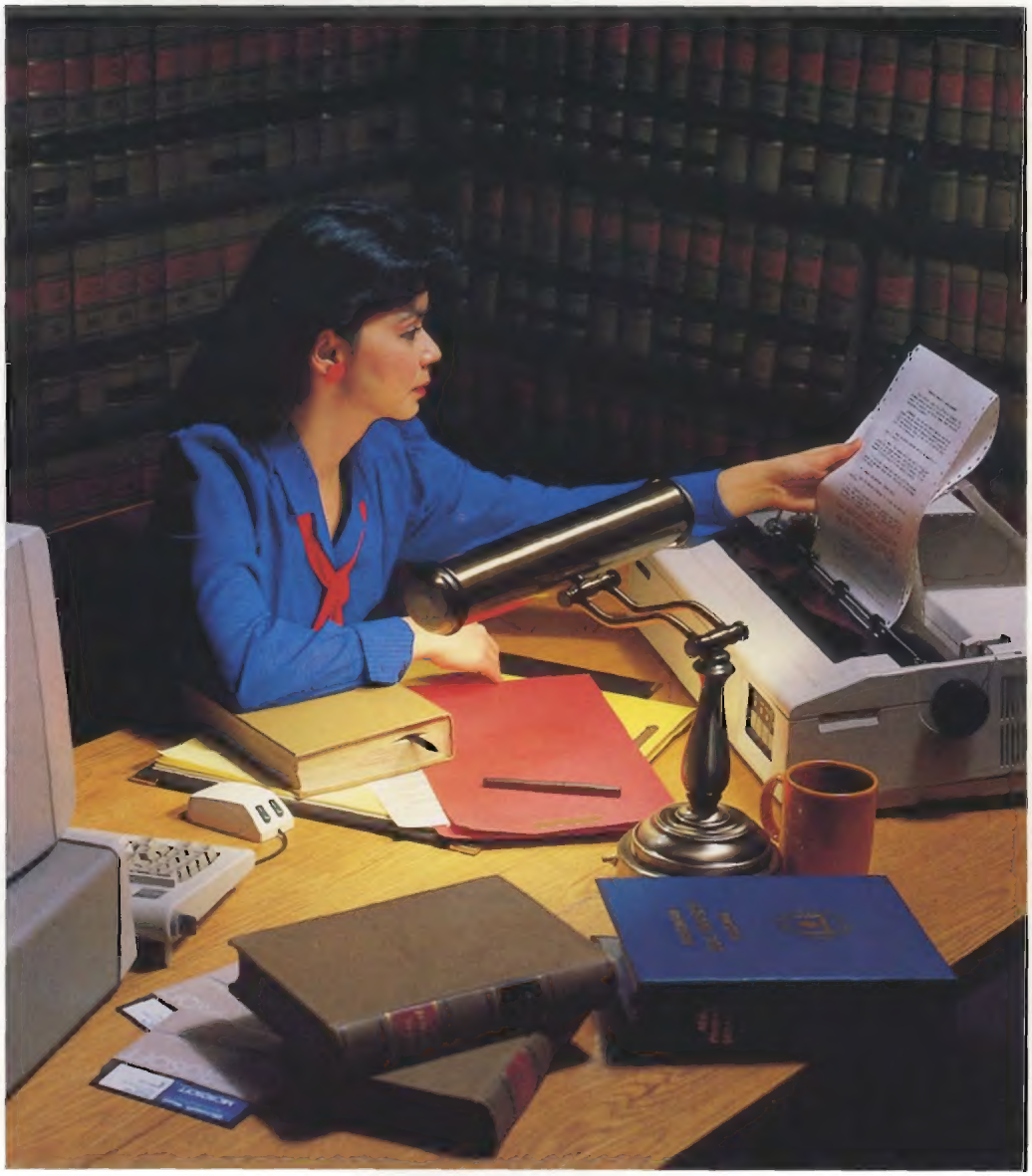
Microsoft Word.

The quickest way to produce professional-quality documents.

Use Microsoft Word to produce professional-quality documents, including contracts and other legal documents.



Make a good impression.

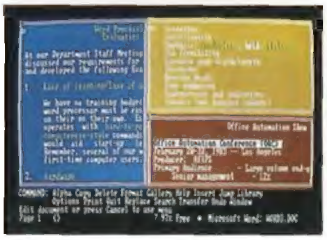
What's the quickest way to produce professional, typeset-quality documents on your IBM PC? The new Microsoft Word, our high performance word processing program. It has the capabilities you need to handle complex writing tasks. And it supports the latest graphics cards, high-resolution monitors, and new-generation laser printers. So you can produce business correspondence that makes a good first impression. And first impressions last.

What you see is what you get.

Microsoft Word shows you a wide variety of formatting options right on the screen. Like **boldface.** ~~Strike through.~~ Superscript. Subscript. Underline. So you don't have to print your document to see how it will look. Because what you see on your screen is what you get when you print—without peculiar codes or symbols that disrupt your text. (To see character attributes like italics, subscript, etc., displayed on the screen, you need a graphics card.)

Open several windows at once.

Sometimes you may need to refer to one document



With Word, you can use windows to refer to one document while you work on another.

Get up to speed fast with Learning Microsoft Word, our interactive, on-disk instructional program.

while writing another. Or maybe you'd like to move and copy text between documents. That's no problem with Microsoft Word. You can open as many as eight windows at once, and scroll independently within each of the windows.

Word travels fast with the Microsoft Mouse.

With Microsoft Word, editing and formatting documents is a snap. With just a few keystrokes, you can move text by the word, phrase, paragraph, or anything in-between.

Word gets around even faster with the optional Microsoft Mouse, our handheld editing and pointing device. With the mouse, you can select text and carry out commands in seconds. All you do is point and click.

Learn your way around.

You'll be up and running in no time at all with Learning Microsoft Word, our highly interactive computer-based tutorial that takes you through all of Word's features step-by-step. First it demonstrates a function, explains how to perform it, and then gives you a chance to practice what you've learned. It keeps track of the lessons you've completed and responds to your actions when you make a mistake.

Make sure it's letter-perfect with Microsoft Spell.

Using Microsoft Word's built-in spelling correction program is like having your own proofreader. Microsoft Spell locates misspelled words, shows you the context in which they occurred, and proposes alternative spellings. Choose the spelling you want and Microsoft Spell makes the correction automatically.

Form letters that aren't uniform.

If you like the convenience of form letters but not their coldness, you'll appreciate Word's built-in merge facility. It lets you customize form letters by merging different text into the body of a standard letter. And with Word's conditional-insertion feature, you can specify the conditions under which text will be inserted.

Check out the fine print.

Use the new Microsoft Word's extensive printer support to add a typeset quality to your documents. Word supports more than 50 standard dot matrix and daisywheel printers. You can change page layouts, mix typefaces, and choose from as many as 64 different fonts (depending on your printer's capabilities). And now there's support for laser printers. So you can print professional-quality documents without going to a typesetter or using an expensive, dedicated word processor.

A few last words.

Microsoft Word has other powerful capabilities that make your writing tasks easier. Like automatic alignment of tabs by decimal point, or left, right, or center justification. Style sheets. Search and Replace commands. Automatic hyphenation. Glossaries for storing frequently used text. And a footnoting feature that automatically formats text so footnotes appear on the same page as the reference.

Sound too good to be true? Seeing is believing. Ask your computer dealer for a demonstration of all the high performance features of the new Microsoft Word.

System Requirements

IBM PC **PC/XT** **PC AT**	▪ 256K memory ▪ DOS 2.0 or higher ▪ Two double-sided disk drives or one hard disk

Also available for Apple Macintosh (see separate section)

At home or in the office, Microsoft Word is great for writing everything from memos to manuscripts.

Writing medical reports or papers is easy when you use Microsoft Word's glossary. Medical terms, formulas, or any other frequently used phrase can be stored as a Word glossary and recalled with the touch of a button.

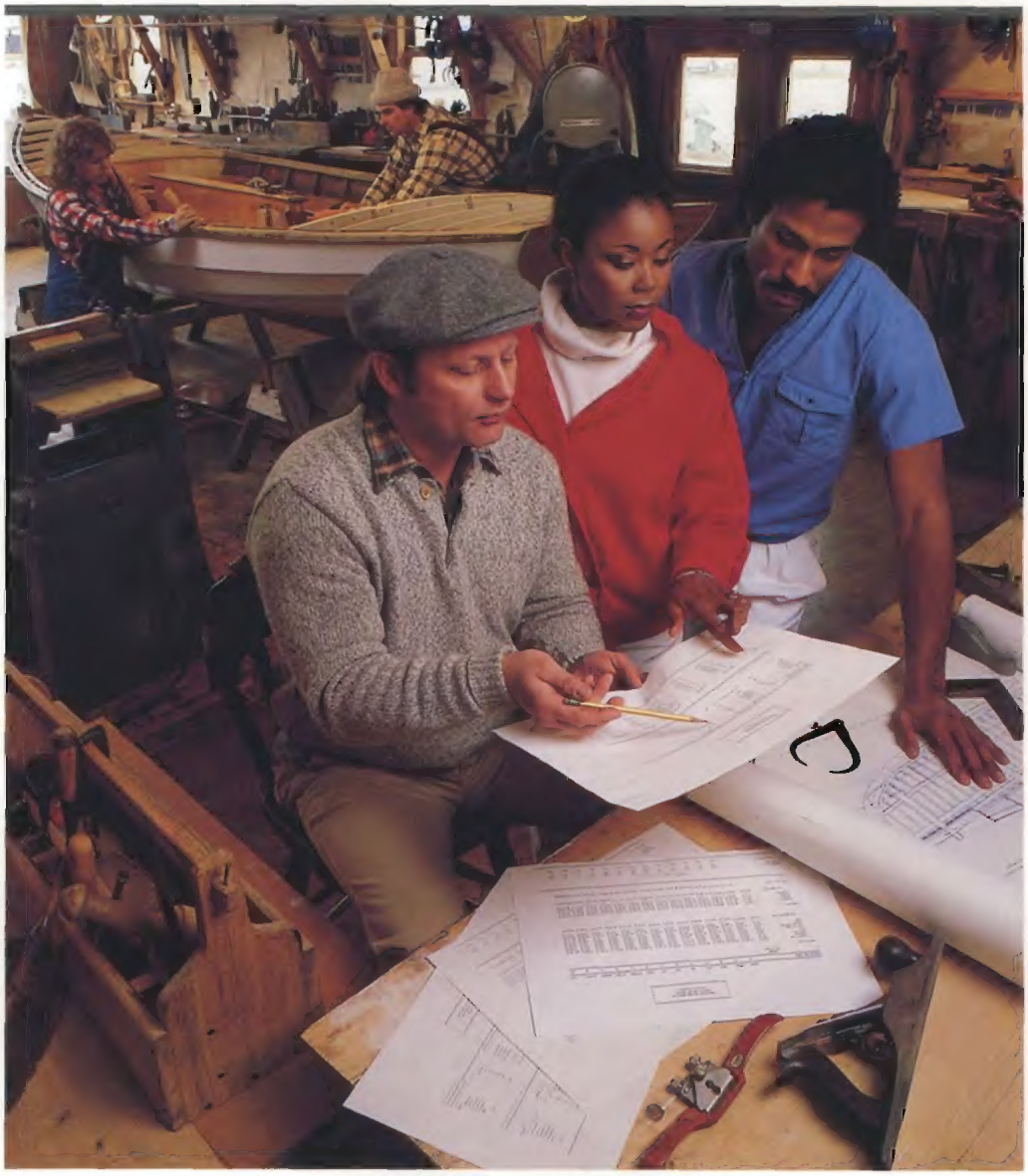
Microsoft Multiplan.

The high performance spreadsheet.

Use Multiplan to estimate materials costs and labor requirements, and to generate project schedules.

Whether you have an Apple, CP/M®-80, or MS-DOS personal computer, Microsoft Multiplan gives you everything you need in an electronic worksheet. You can use it for business analysis and forecasting. Budget consolidation. Tax planning. Cash flow management. Or personal financial planning.

Multiplan also helps you evaluate various business scenarios. Simply pose the questions, change the critical numbers, and Multiplan automatically recalculates the worksheet to give you the answers.



Multiplan saves you time.

Microsoft Multiplan replaces pencils, calculators, and ledger paper, as well as the hours you spend on estimating and planning. With Multiplan, you can build spreadsheets and revise them in seconds when changes occur.

Multiplan works the way you do.

Multiplan starts with a blank grid. You build your worksheet on it, just as you would on ledger paper. Enter the relevant numbers and connect them with the formulas you ordinarily use. Then watch Multiplan handle the calculations. Fast.

Use Multiplan for a variety of business tasks including budgeting, estimating, and forecasting.

With Multiplan, preparing your tax return is a lot less taxing.

With Microsoft Multiplan you can create, manipulate, update, and report information quickly and easily.

Multiplan provides you with English command options. Plus full-length prompts to suggest your next action and explain any problems. Need help? All you have to do is ask. With one keystroke, you can get information on any command you choose.

Talk to the computer in English.

Multiplan lets you use English words in your formulas. And refer to those formulas as you create your worksheets. For instance, you can enter the formula "PROFIT = SALES – COSTS," instead of "AA44 = AZ23 – BK154." So it's easy for anyone to read the worksheets.

Link your worksheets.

You can link worksheets together with Multiplan. Change a number or formula on one worksheet, and information on related worksheets will be updated automatically. For instance, you can link the results of your sales projections into your budget analysis. Change any of your projections, and Multiplan *automatically* updates the budget analysis worksheet.

Better than ever on MS-DOS computers.

We've made some exciting changes to Multiplan for MS-DOS operating systems (including the full range of IBM personal computers). We've made it bigger. Faster. And included keyboard macros. One thing we haven't changed is the price. Which makes buying Multiplan an even better business decision.

You can design keyboard macros that execute a series of keystrokes with one command. So you can automate repetitive tasks. Or write customized applications that make it easier for people to perform unfamiliar tasks.

Multiplan also features three-dimensional model consolidation so you can combine entire worksheets on a cell-by-cell basis. Like when you want to add departmental budgets together into an overall corporate budget.

Microsoft Multiplan and Microsoft Chart. The perfect partnership.

On IBM personal computers, Microsoft Multiplan works especially well with Microsoft Chart, our business graphics program. In seconds, Chart turns your Multiplan data into easily understood, presentation-quality graphs.

The workhorse worksheet.

No matter what kind of computer you own—Apple, CP/M-80, or MS-DOS—Microsoft Multiplan should be an integral part of your business. Why? Because it's great for any project that involves numbers. Like financial projections. Investment planning. Real estate management. Inventory control. Production capacity planning. And much more.

Stop in at a nearby computer store for a demonstration of all the high performance features of Microsoft Multiplan.

System Requirements

Apple II **Apple II +** **Apple IIe**	▪ 64K memory ▪ One disk drive
With all Microsoft SoftCard products	▪ 56K and 60K CP/M-80 system ▪ One disk drive ▪ 16-sector disk
Apple III	▪ 96K memory ▪ One disk drive ▪ 16-sector disk
With Apple III SoftCard system	▪ 56K CP/M-80 system ▪ One disk drive
CP/M-80	▪ 64K memory ▪ One disk drive
MS-DOS (including IBM PC, PC/XT, PC AT)	▪ 128K memory ▪ DOS 1.1 or higher ▪ One double-sided disk drive

Note: To use the optional Microsoft Mouse, 128K memory, DOS 1.1 or higher, one disk drive, Mouse Version 2.0, and an IBM PC or PC/XT are required.

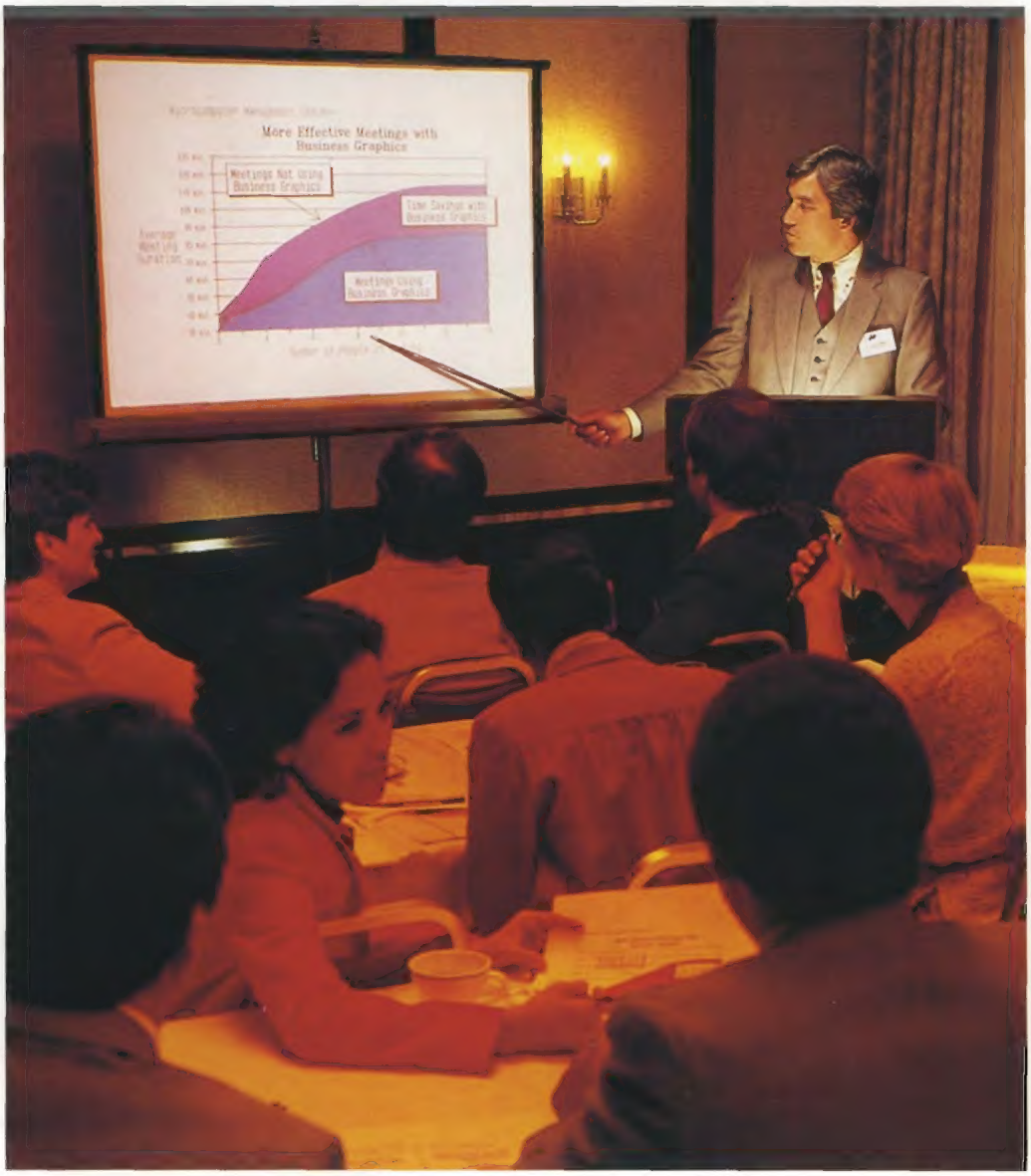
Also available for Apple Macintosh (see separate section)

Retailers find Multiplan a valuable tool for planning purchasing needs and tracking inventory.

Microsoft Chart.

Nothing draws conclusions better.

Make your point clearly and persuasively using presentation-quality charts created with Microsoft Chart.



Graphic explanations.

Microsoft Chart helps you turn complex data and ideas into easily understood, presentation-quality charts that add clarity to your presentations and reports. With Chart, you can quickly produce whatever kind of chart you need to communicate your message as clearly and persuasively as possible.

Illustrate your point.

It's easy to pick the chart format that presents your data most effectively because chart samples are displayed graphically right on your screen. You can quickly see which type of chart is most suitable for your data. You'll find variations of all the basic chart types. Pie charts. Scatter charts. Area charts. Bar charts. Column charts. Hi-lo charts. Line charts. And overlay charts. In all, there are 45 pre-designed formats to choose from.

Pick one and Microsoft Chart draws your data in that style. Want to change from one type of chart to another? All it takes is three keystrokes. With Chart, you can even design your own format and save it for later use with new data.

With Microsoft Chart you can produce whatever kind of chart you need to add clarity to reports and presentations.

On the IBM PC, Chart teams up with Microsoft Multiplan to turn your spreadsheet data into high-quality graphs in seconds.

Tailor charts to suit your exact needs.

Chart gives you unparalleled freedom to modify individual chart components. So your chart will say exactly what you want it to.

You can view up to 16 charts at one time. Add text to clarify data. Overlay charts to compare data. Vary line patterns, fill patterns, fonts, and font sizes. Create charts that consist entirely of text. And much more. Then print your charts in color—on paper or as transparencies—on a wide variety of printers and plotters.

With Chart, what you see on the screen is what you get when you print. Moving, sizing, and positioning changes take place while you watch, so you know exactly how they affect your chart. The result? You'll edit faster, make fewer mistakes, and develop effective presentations more quickly.

Chart works well with others.

You can read information into Microsoft Chart from Lotus™ 1-2-3™, VisiCalc®, or dBASE II®. Or from any software that supports DIF, ASCII, or SYLK files. Which means you can chart data contained in most spreadsheets, databases, financial accounting packages, and programs like Microsoft Project.

Microsoft Chart works especially well with the Microsoft Multiplan electronic worksheet. You can establish a permanent link between Multiplan and Chart. Change or update your Multiplan worksheet, and the chart linked to that worksheet will be updated. Automatically. You'll never need to spend time manually updating charts or reentering data.

Work the way you think. In English.

Chart is easy to learn and use. Like our other business software, Chart features easily understood English command menus and clear error messages.

If you're confused about a command, don't worry. Help is right at your fingertips in the comprehensive, on-line reference guide built into Microsoft Chart. You can ask for help at any time, and when you've found the answer to your question, you can pick up right where you left off.

Chart a course through the numbers.

Use Microsoft Chart's seven statistical functions to analyze data. Or to create new data series for comparison with existing ones. Chart gives you insights into the natural patterns of data and lets you perform analytical tasks using charts as a basis for comparison.

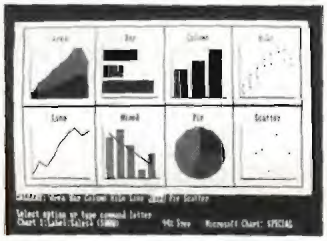
To see all the high performance features Microsoft Chart has to offer, stop in at a nearby computer store for a demonstration.

System Requirements

IBM PC PC/XT PC AT	▪ 128K memory (256K recommended) ▪ DOS ▪ One double-sided disk drive ▪ IBM Color/Graphics Monitor Adapter or Hercules™ Graphics Card

Also available for Apple Macintosh (see separate section)

Microsoft Chart turns complex data into easily understood charts that help you spot trends and make better business decisions.



With Chart, you can quickly select the right chart for your needs from a gallery of pre-designed chart formats.

Microsoft Project.

Keeps you right on schedule.

Use Microsoft Project to build schedules quickly and easily—and revise them in seconds when changes occur.

Find out who, what, where, and when.

With Microsoft Project, you can build a schedule for any project quickly and easily. And revise it in seconds as changes occur or due-dates slip.

Microsoft Project helps you track all activities involved in your project. It tells you which activities are critical to project completion, and which activities can be delayed without affecting the completion date. With Microsoft Project, you can tell at a glance who and what's needed, where, for how long, and how much it's going to cost.

Best of all, Microsoft Project is flexible. No project is too large or small. Microsoft Project separates project monitoring and schedule planning from project budgeting and costing. So it can be used as a simple scheduling tool. Or as a sophisticated budgeting, costing, and monitoring tool.

With Microsoft Project's external copy feature, there's virtually no limit to the number of activities you

With Microsoft Project on the job, it takes minutes, rather than hours, to prepare for presentations or meetings with clients.

can schedule. Using the external copy feature, you can manage very large, complex projects, or consolidate separate project schedules into a master schedule.

No ifs, ands, or buts.

What a spreadsheet does for financial planning, Microsoft Project does for project management. Develop your best-case/worst-case scenarios and enter the relevant numbers. Microsoft Project immediately recalculates the schedule to show you the impact of the changes on both the cost and the duration of your project.

In addition, you can transfer information between Microsoft Project and programs like Microsoft Multiplan, Microsoft Chart, Microsoft Word, and Lotus 1-2-3.

Get all sorts of information.

Microsoft Project sorts information by start date. Finish date. Duration. Critical path. Or alphabetically. So you can view data in the way that's most meaningful to you. Or you can look at the information from a variety of angles for a better understanding of your project.

Your star reporter.

When you need them, Microsoft Project prints detailed, presentation-quality budget or status reports, including activity reports, resource allocation charts, and resource cost tables. These reports are designed to give you detailed information on which to base decisions and help you manage projects more effectively. And with Microsoft Project on the job, it takes minutes, rather than hours, to prepare for presentations.

Easy to learn, easy to use.

You'll feel comfortable with Microsoft Project right away. Especially if you're familiar with electronic spreadsheets. Microsoft Project lays out your schedule in a familiar row-and-column format, and asks you for the data it needs to build the schedule. And if you need help, it's just a keystroke away in the 50-page on-line reference guide built into Microsoft Project.

Microsoft Project. So everything goes according to plan.

To get a firsthand look at all the high performance features of Microsoft Project, stop in at a nearby computer store for a demonstration.

System Requirements

IBM PC	▪ 128K memory ▪ DOS ▪ One double-sided disk drive

With Microsoft Project, planning and coordinating a major product introduction isn't a major production.

With Microsoft Project, you can tell who and what's needed, where, for how long, and how much it's going to cost.

Microsoft Project lays out your schedule in an easy-to-read format, so you can tell at a glance which activities are critical to project completion.

Microsoft Word for the Macintosh.

The Word you've been waiting for.

Use Microsoft Word to write everything from memos to manuscripts because document size is limited only by the amount of space available on your disk.

We give you our Word.

Until now, word processing on the Macintosh was easy, but it didn't give you the powerful features you need to produce professional-quality documents.

But now there's Microsoft Word.

Writing anything is easier when you use Microsoft Word. Because it has built-in shortcuts. Like windows. Glossaries. Automatic footnoting. And a merge facility for customizing form letters. Best of all, Microsoft Word can read MacWrite™ files. So you won't lose documents you've already written.

Word does windows.

Would you like to refer to one document while you work on another? Or move or copy text between documents? With Word you can open as many as four windows at the same time, and you can split windows horizontally.

Hang on to your words.

Tired of typing the same phrase over and over? There's no need to with Microsoft Word. Words, sentences, or entire pages can be stored in a Word glossary. And recalled with the touch of a button. It's an easy way to store any text you use often.

Personalize form letters.

If you dislike the coldness of form letters, you'll appreciate Word's merge facility. You can merge different text into the body of a standard letter. Text can be merged from a Word file, or, if you keep your records in a datafile, from Microsoft File.

Use keystroke commands.

Some people prefer to use keyboard control keys rather than the mouse. With Microsoft Word you have that option. You can use the keyboard to select, move, copy, or format text, and more. Of course, you can always use the mouse. The choice is yours.

Look good in print.

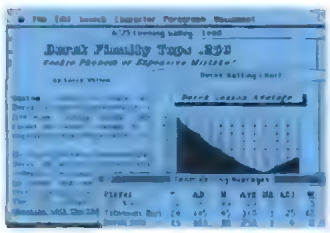
You can add a typeset quality to any document you print. Because Microsoft Word drives a variety of popular letter-quality printers. Even the new Apple LaserWriter.

To see all the high performance features of Microsoft Word, visit your nearby computer dealer.

System Requirements

Apple Macintosh (external disk drive recommended)

Also available for IBM PC, PC/XT, and PC AT (see separate section)



(Above)
Word runs a variety of letter-quality printers, including Brother® HR-15, HR-25, and HR-35; Apple Daisy Wheel; and Diablo® 630.

(Left)
Word is fully compatible with our other Macintosh applications. So graphs created with Microsoft Chart can be included in articles.

Microsoft File for the Macintosh.

To keep your records straight.

Use Microsoft File to set up files for everything from client billings and mailing lists to personal expenses.

Put everything in order.

Finally there's an electronic filing system that's as flexible as the Macintosh itself—Microsoft File. It helps you record, organize, manage, sort, and report all kinds of information. You can set up files for everything from client billings to payroll records to personal expenses.

You can create files that contain dates, numbers, and text, as well as pictures created with MacPaint™ and MacDraw™ and graphs from Microsoft Chart. Customize file formats to suit your needs, then save them for use with different information. And select or sort information to emphasize the data that's most important to you. Best of all, Microsoft File is fully compatible with our other Macintosh applications.

Forms that follow function.

Setting up your filing system is as easy as filling out a file card. You can enter data by using the built-in List Helper or you can design a format that resembles the paper forms you normally use. What's more, you can add new fields at any time. Or move fields after you've entered data. The result? Forms that let you arrange data in the way that works best for you.

Another point of view.

Microsoft File gives you flexibility in how you view the data in any file. You not only can control the appearance and amount of information that appears on the screen, but also can alternate between two views of the same form. For example, with a large invoice form you may want to find all customers with a balance in excess of a particular amount. Once you've found the information, you might want to use the List Helper to view a number of records at the same time.

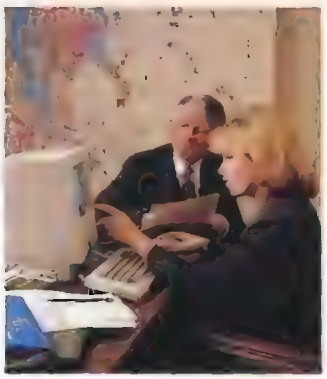
Give a good report.

Once you've found the information you want, you're ready to use File's extensive reporting capabilities. You can print reports that include column totals, subtotals, averages, standard deviation, minimum/maximum ranges, and more. Microsoft File even lets you preview reports before you print them. So you can check the content and make refinements or corrections.

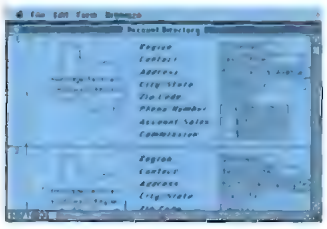
For a demonstration of all the high performance features of Microsoft File on the Macintosh, visit your nearby computer dealer.

System Requirements

Apple Macintosh



Microsoft File helps you record, organize, manage, sort, and report all kinds of information.



Create files that contain dates, numbers, and text, as well as pictures created with MacPaint and MacDraw.

Microsoft Multiplan for the Macintosh.

For better business decisions.

Use Microsoft Multiplan to build worksheets for everything from budget consolidation to financial planning to inventory control. You can also use it to answer "what if" questions. You pose the questions, change the critical numbers, and Multiplan recalculates the worksheet to give you the answers.

Build worksheets quickly and naturally.

On the Macintosh, building Multiplan models is fast and easy. You can build formulas, change cell formats, insert rows, move columns, and more—just by pointing and clicking with the mouse.

You can use English words in your formulas. And refer to those formulas as you create your worksheets. For instance, you can enter a formula as "PROFIT = SALES – COSTS." Instead of "AA44 = AZ23 – BK154." What could be simpler?

Link your worksheets.

You can link your Multiplan worksheets together. For example, you can link department budgets to the overall company budget. Then, if you make a change in any of the individual department budgets, the company budget is automatically updated.

Security in numbers.

Multiplan's unique security features can be used to protect all or any portion of your worksheet from unauthorized changes or accidental loss of valuable data. And you can use passwords to prevent unauthorized access to, or tampering with, sensitive data.

Microsoft Multiplan and Microsoft Chart. Great business partners.

You can turn your Multiplan worksheet data into presentation-quality graphs by transferring the numbers to Microsoft Chart. In addition, you can establish permanent links between Multiplan and Chart. So when the numbers change, the charts automatically change. You can also easily exchange data with Microsoft Word, Microsoft File, or virtually any other Macintosh application.

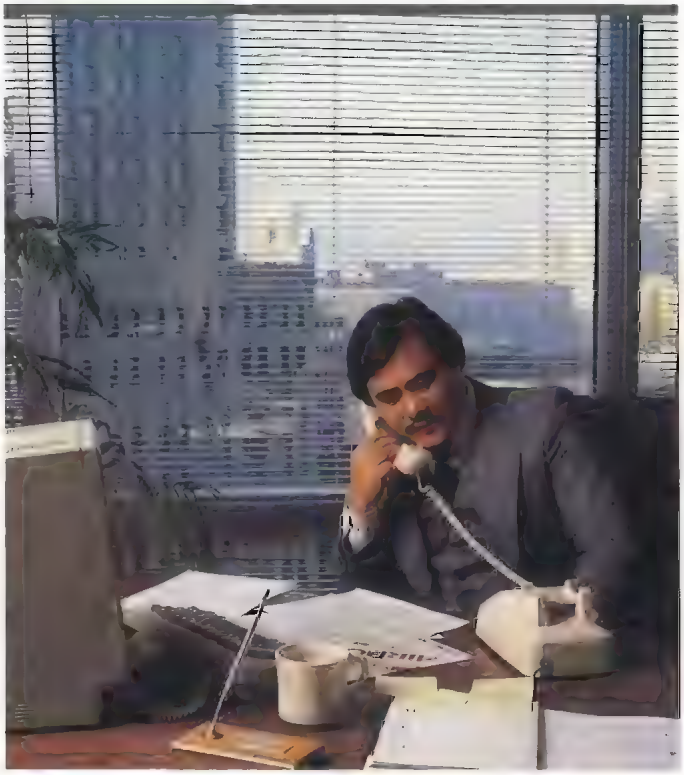
For a demonstration of all the high performance features of Microsoft Multiplan, visit a nearby computer dealer.

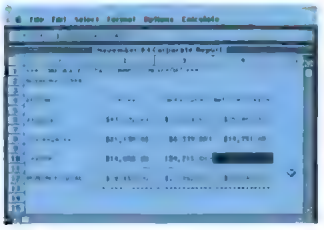
System Requirements

Apple Macintosh

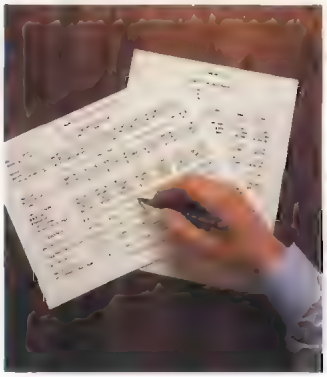
Also available for Apple II and III, CP/M-80, and MS-DOS personal computers (see separate section)

Multiplan can help you with a wide variety of projects including budgeting, cash flow management, and real estate analysis—just to name a few.





Link your worksheets to summarize key information. Regional sales commission worksheets were linked to produce the corporate commission report shown above.



You control the way your worksheets look: use $ or %, vary column widths, add text to clarify data, print worksheets horizontally, and more.

Microsoft Chart for the Macintosh.

Makes your point graphically.

Make sure everyone gets the point by turning complex ideas and statistics into clearly understood, presentation-quality graphs created with Microsoft Chart.

Make sure they get the picture.

You've been over and over the report. The figures are right there in black and white. Yet everyone still seems to be missing the point. What do you have to do? Draw them a picture? With Microsoft Chart, you can. Quickly and easily. It gives you pictures worth a thousand words. And turns complex statistics into easily understood charts. With Microsoft Chart they'll get the picture. Fast.

Illustrate your point.

It's easy to pick the right chart format because chart samples are displayed right on your screen. Chart's gallery contains variations of all the basic chart types. In all, you have 42 predesigned formats to choose from. Select the one most suitable for your data, and Chart will draw it in that style. Think your data might look better in another kind of chart? It's easy to find out. You can switch from one chart style to another—and back again—in seconds.

Customize charts to suit your needs.

Microsoft Chart lets you change or edit individual chart components to make sure you're communicating clearly. You can add text to clarify data; vary line patterns, fonts, and font sizes. Add arrows. Or move and resize the legend. Just by pointing and clicking with the mouse.

Words, numbers, and pictures.

Microsoft Chart works well with our other productivity products for the Macintosh. For example, your finished charts can be pasted into memos and reports written with Microsoft Word or MacWrite.

You can even establish permanent links between Multiplan and Chart. That way, when you change information on your worksheet, the chart linked to it is automatically updated.

Chart a course for the future.

Microsoft Chart's seven statistical functions can be used to analyze information and gain insight into the natural patterns of your data.

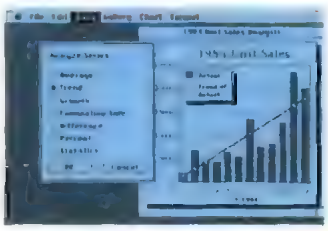
To see all the high performance features Microsoft Chart offers, visit your computer dealer for a demonstration.

System Requirements

Apple Macintosh

Also available for IBM PC, PC/XT, and PC AT (see separate section)

Microsoft Chart works well with Microsoft Multiplan. You can turn your spreadsheet data into charts that make it easy for you to spot business opportunities and trends.

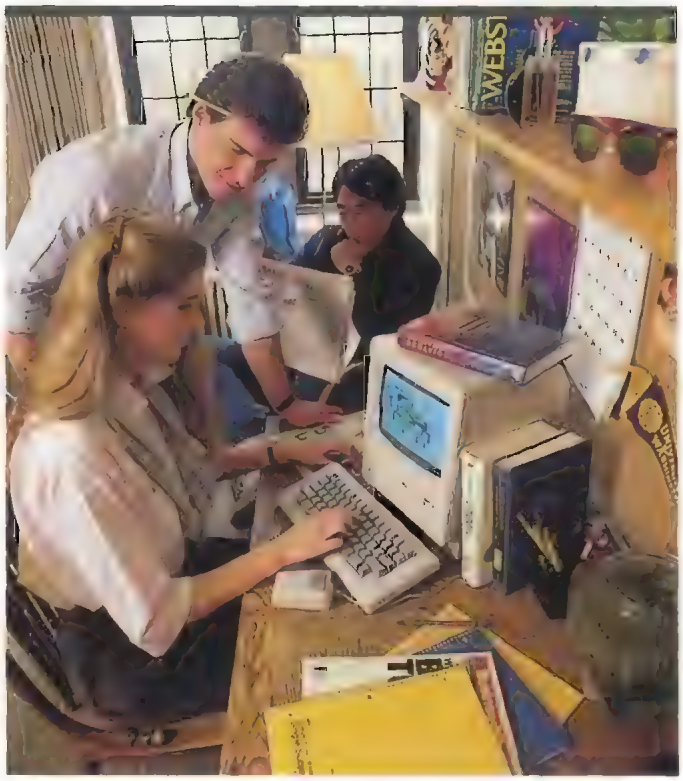


Use Microsoft Chart's statistical functions to perform analytical tasks using charts as a basis for comparison.

Microsoft MacLibrary for the Macintosh.

Full of collector's items.

Entrepreneur gives you the chance to fulfill your dream of owning your own business. But if you're not careful, your dream may turn into a nightmare.



A word from the publisher.

At Microsoft we've written more high performance programs for the Macintosh than any other software company. But we realize there are other excellent programs written for the Macintosh. And when we come across one, we publish it as part of our MacLibrary software series.

Do these programs meet the same high standards we set for our own software? You can make book on it. Each is thoroughly evaluated and tested before being added to the MacLibrary.

Browse through our collection.

Our collection currently includes three volumes, but look for additional titles soon.

Learning Microsoft Multiplan and Microsoft Chart
Micro Courseware Corporation

Get up to speed fast with these interactive instructional programs for the Microsoft Multiplan electronic worksheet and Microsoft Chart, our complete business graphics program. The programs define the concepts of spreadsheets and charts, and provide you with numerous examples as well as sample applications.

Logo
Logo Computer Systems Inc.

Widely considered the best language for an introduction to computer programming, Logo is now available for the Macintosh. This versatile version of Logo includes multiple windows for data entry and editing. Arrays for high-speed processing. A debug window for tracing program flow. And on-line help. All of which makes it ideal for teaching structured programming techniques, problem-solving strategies, and abstract thinking skills.

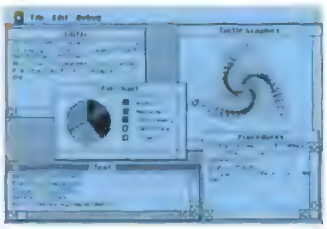
Entrepreneur
Harvard Associates, Inc.

Ever dream of owning your own business? Here's your chance. Entrepreneur is a simulation of what it's like to run a computer software company.

You can compete against as many as eight companies over a period of 36 months. During that time you'll have to predict how the economy will affect your business. You'll work with financial reports. Cope with investors. Try to stay ahead of the competition. And rise and fall with your bottom line.

System Requirements

Apple Macintosh



This versatile version of Logo features multiple windows for data entry and editing, arrays for high-speed processing, a debug window, and more.

Microsoft BASIC for the Macintosh.

The most BASIC.

Use Microsoft BASIC to write applications for everything from business and engineering to education and recreation.

A look at BASIC features.

The Microsoft BASIC Interpreter is the most advanced BASIC for the Macintosh. It lets you develop programs that take advantage of everything the Macintosh has to offer. You can define your own pull-down menus. Establish multiple output windows. Create and modify dialog boxes. Send and retrieve graphics, text, and data from Microsoft Multiplan, Microsoft Word, MacPaint, and MacWrite. Transport existing Microsoft BASIC programs to the Macintosh with little or no modification. And more.

Generate outstanding graphics and animation.

You can make the most of the Macintosh's graphics capabilities. You can create graphics with BASIC statements and calls to QuickDraw routines. Microsoft BASIC even lets you display and manipulate images created in MacPaint.

Add the sound of music.

You can make use of music in your applications. BASIC generates outstanding sound effects. You can produce up to four voices of sound simultaneously, each with an independent wave shape.

Take advantage of the Macintosh-style editor.

Creating and editing your BASIC programs is as simple as cutting and pasting and pointing and clicking. You can enter, view, and edit your program directly from the List window. Use alphanumeric labels to reference sections of your program. And use a full range of options to find and replace program text.

Speed program development.

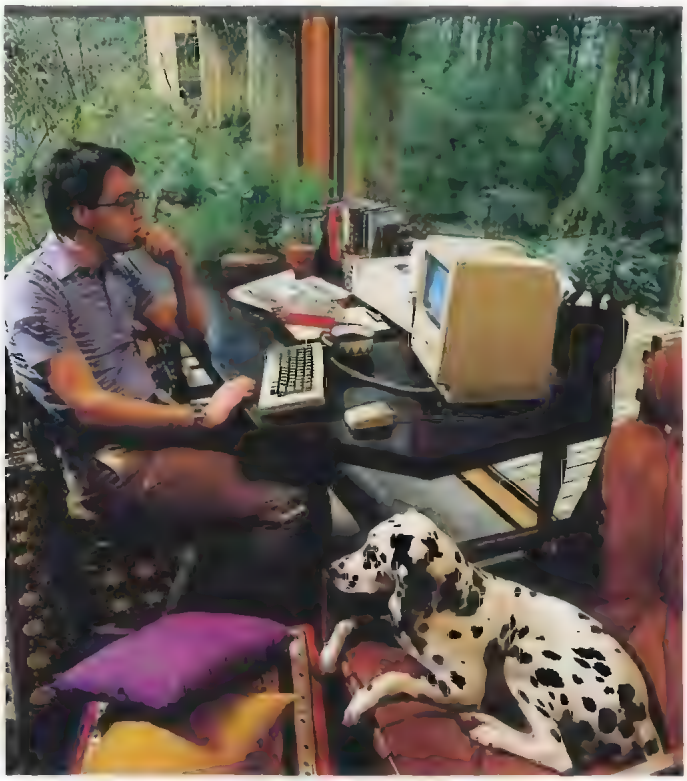
Microsoft BASIC is equipped with many powerful programming aids that facilitate program development. You can view your program listing and program output simultaneously. Execute program statements and functions directly. Set breakpoints and single-step through programs. Or use the Trace command to watch programs execute line by line.

To see all the high performance features of Microsoft BASIC, visit your computer dealer for a demonstration.

System Requirements

Apple Macintosh

Also available for CP/M-80 and MS-DOS personal computers (see separate section)



Microsoft BASIC lets you send and retrieve graphics, text, and data from Microsoft Multiplan, Microsoft Word, MacPaint, and MacWrite.

Microsoft Educational Software.

In a class by itself.

Microsoft Typing Tutor is the perfect teacher's assistant. It can be used to record and track the progress of as many as 49 students.

Microsoft Typing Tutor II.
Typing teacher.

Whether you're a business manager, student, or technician, typing skills are essential. If you can't type, Microsoft Typing Tutor will teach you. If you can, it will help you do it faster.

Letters. Numbers. Symbols. Whatever your weak spots, Typing Tutor can help you strengthen them. It constantly monitors the keyboard to give you feedback on your speed, accuracy, and mistakes. Then it uses the information to devise drills that concentrate on the areas you need to improve.

Teacher's aid.

Typing Tutor does well in school. Teachers can use it to record and review the progress of as many as 49 students. New practice paragraphs can be written, edited, or assigned. And teachers can create up to eight proficiency tests.

Microsoft Typing Tutor II. Because it pays to know how to type.

System Requirements

Apple II **Apple II +** **Apple IIe**	▪ 48K memory ▪ One disk drive ▪ 16-sector disk ▪ Applesoft BASIC
Apple IIc	▪ 128K memory ▪ One disk drive ▪ 16-sector disk ▪ Applesoft BASIC

Microsoft muMATH.
The math whiz.

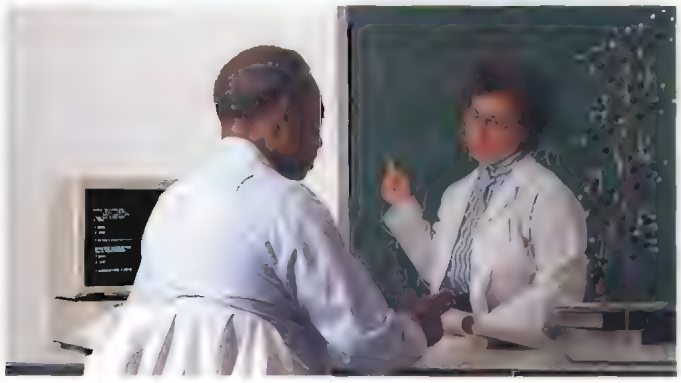
With the Microsoft muMATH symbolic mathematics package, calculations that required mainframe computers can now be performed on your microcomputer. muMATH performs computer algebra, trigonometry, calculus, matrix and array operations, factorials, vector analysis, Taylor Series Expansion, and more. And it is as convenient and easy to use as a pocket calculator.

muMATH solves math problems symbolically, using the rules of algebra and calculus. It's perfect for engineers and researchers who perform numerical analysis in their work, and it's excellent for teaching mathematics.

It performs low-level as well as high-level math operations. The system's calculator mode is sufficient for most of your mathematical problems. To handle advanced computer algebra systems, switch to the muSIMP™ programming mode. In this mode you can create your own definitions and even develop artificial intelligence applications.

System Requirements

MS-DOS	▪ 128K memory ▪ One disk drive



With our muMATH symbolic mathematics package, calculations that required mainframe computers can now be performed on your microcomputer.

Microsoft Recreational Software.

Games you never outgrow.

The party may be over, but the fun's just beginning—Flight Simulator is as close as you can get to flying without leaving the ground.

Microsoft Flight Simulator.
First-class flight.

Climb into the cockpit of a Cessna 182 and get ready for almost anything in a flight simulation so realistic that even licensed pilots have their hands full with it.

Flight Simulator lets you create up to 30 flight modes. Take off and land at more than 80 airports. Alter the weather or season to simulate conditions pilots face. And now it's taking off in color on RGB, color-composite, and TV monitors.

Now there's support for optional joysticks and the Microsoft Mouse. Both provide better control of your instruments than the keyboard. And when you're facing everything from carburetor icing to enemy aircraft, you'll need it.

The wings of war.

Enemy aircraft? That's right. Enemy aircraft, as in World War I Ace, a battle game complete with bombing runs, dogfights, and a war report that tells you how well you're doing.

System Requirements

IBM PC **PC AT**	▪ 64K memory ▪ One disk drive ▪ IBM Color/Graphics Monitor Adapter

Note: Use of the optional Microsoft Mouse requires 128K memory

IBM PCjr	▪ 128K memory ▪ One disk drive

Microsoft Decathlon.
Go for the gold.

Are you in the same class as Daley Thompson and Bruce Jenner? Or are you in a class by yourself? Find out with Microsoft Decathlon. Ten tough events that require speed, strength, and agility in three disciplines.

With Microsoft Decathlon, you'll feel as though you're in the middle of an Olympic stadium. You "compete" by interacting with the animation in real time, while using the keyboard or game paddles to control the figures on the screen.

You against the world.

You can play Microsoft Decathlon alone. Or against as many as five other "decathletes." No matter *how* you play it, or how many *times* you play it, Decathlon is always a challenge. There are no shortcuts to help you score better in any event. It's strictly a question of reflexes and coordination.

System Requirements

Apple II **Apple II +** **Apple IIe**	▪ 64K memory ▪ One disk drive ▪ 13- or 16-sector disk ▪ Game paddles or joysticks
Apple IIc	▪ 128K memory ▪ One disk drive ▪ Game paddles or joysticks

You'll need every ounce of skill you've got to master the pole vault, the toughest event in Microsoft Decathlon.

Try your hand at World War I Ace, a battle game complete with bombing runs and hair-raising dog fights.

Microsoft Hardware.

Hardworking products for your microcomputer.

Microsoft Mouse. Puts the screen in the palm of your hand.

Now there's a faster, more natural way of moving around your screen than using direction keys—the Microsoft Mouse, our hand-held editing and pointing device. Designed to let you take full advantage of new-generation, graphics-oriented software, the mouse system gives you everything you need to get started: the mouse, a computer interface, a practice application, and programs you can use right away.

There's Microsoft Mouse Menu, a program that lets you use our mouse with Microsoft Multiplan, Microsoft Project, Lotus 1-2-3, VisiCalc, or WordStar®. You can also use it to create your own menu for editing and formatting existing application programs.

Or Microsoft Notepad, a screen-oriented text editor. With Notepad you can edit any document that requires a straightforward format. And, for the artist in you, there's a paint program (requires an IBM Color/Graphics Monitor Adapter).

Word travels fast with Microsoft Mouse.

Writing anything is easier when Microsoft Mouse teams up with Microsoft Word. With the mouse, editing text is fast and easy. So is executing commands. All you do is point and push a button. What could be simpler?

The mouse that soars.

Microsoft Flight Simulator features mouse support. With the mouse you can react faster than you can using the keyboard. And when you're fighting everything from turbulence to enemy aircraft, you'll need it.

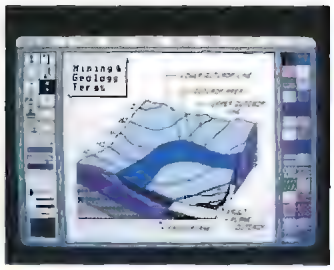
Microsoft Mouse. It's the leader of the pack.

System Requirements

Microsoft Mouse (Serial Version)	
IBM PC	▪ 64K memory ▪ DOS ▪ One disk drive ▪ RS-232C serial port
IBM PCjr	▪ 128K memory ▪ DOS ▪ One disk drive ▪ IBM Serial Adapter 8600026
Microsoft Mouse (Bus Version)	
IBM PC	▪ 64K memory ▪ DOS ▪ One disk drive ▪ One auxiliary card slot

The Microsoft Mouse gives you a faster, more natural way of moving around your screen than using the direction keys.

Now you can use the Microsoft Mouse with Microsoft Word, Microsoft Multiplan, Microsoft Project, and other popular business programs like Lotus 1-2-3.



Show off your artistic talents. The Microsoft PCjr Booster with Mouse supports IBM ColorPaint.

Microsoft PCjr Booster with Mouse.

Memory plus mouse.

PCjr Booster gives you additional memory—up to 128K—a clock/calendar, all the software and practice applications that are included with Microsoft Mouse, and lets you use the mouse with a variety of popular business programs.

With the additional memory you can run programs like Microsoft Word, Microsoft Multiplan, Lotus 1-2-3, VisiCalc, and WordStar on your PCjr. And now you can have the ease and convenience of using the Microsoft Mouse with them.

PCjr Booster also gives you improved performance for your PCjr. With it installed, application programs requiring 128K memory or less run up to twice as fast as they normally would.

The clock/calendar automatically keeps track of the day and date, so you don't have to enter them every time you turn on the computer. It's equipped with a backup battery to make certain the day and date are updated continuously, even when the computer's off.

System Requirements

IBM PCjr
- 128K memory
- DOS
- One disk drive

Microsoft MacEnhancer.

Opens up your Macintosh.

The Microsoft MacEnhancer expansion system lets you add one IBM-compatible parallel port and two IBM-compatible serial ports to your Macintosh without losing any of the existing ports. So you can use a variety of printers, modems, and other peripherals.

The MacEnhancer expansion system is easy to install. You just plug it into one of the serial ports of the Macintosh, answer a few questions, and you're ready to run. Setup information is entered by pointing and clicking with the mouse. It's as easy as that.

With the system installed, and using the terminal-emulation software provided and a modem, you can hook up to a variety of dial-up databases, including Dow Jones News/Retrieval®, CompuServe®, and The Source℠. Print documents on a variety of dot matrix and several letter-quality printers. And use the terminal-emulation software to communicate with other personal computers and mainframes.

System Requirements

Apple Macintosh

Microsoft SoftCard II.

More byte for your Apple.

Microsoft SoftCard II lets you run programs written for the CP/M-80 operating system on your Apple computer. And lets you run them much faster.

It features both a print buffer and a type-ahead buffer so you can continue to work while your data is being printed or the computer is executing commands. (Print buffering may not work with all Type-6 printer interface cards.)

System Requirements

Apple II
Apple II +
Apple IIe
- 64K memory
- DOS 3.3
- One disk drive
- 16-sector disk
- 80-column video display capability

Microsoft Premium SoftCard IIe.

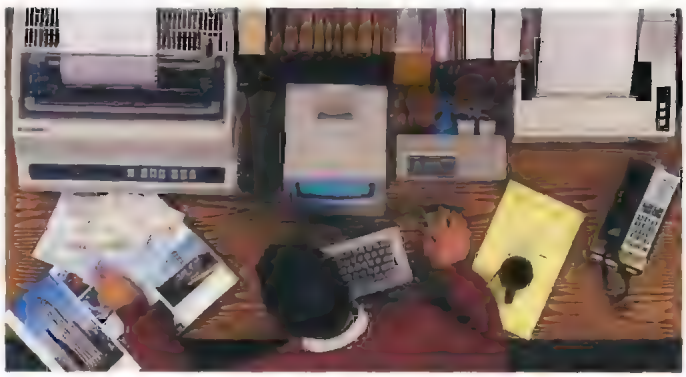
Juice up your Apple.

The Premium SoftCard IIe provides a powerful means of accessing the CP/M-80 operating system. It also increases your computer's memory, and lets you display your programs in an 80-column format.

The 64K of memory supports the CP/M-80 operating system and software written for it. It can also be accessed when you're running Apple DOS programs, effectively doubling your Apple's memory to 128K.

System Requirements

Apple IIe
- 64K memory
- One disk drive



Using the MacEnhancer expansion system and a modem you can obtain stock information, turn the data into graphs with Microsoft Chart, and use Microsoft Word to write your analysis.

The Microsoft Family of Languages.

Powerful, flexible, and diverse.

Microsoft BASIC Interpreter.

The universal language.

Microsoft BASIC is everyone's language. It's the most widely accepted BASIC for general-purpose microcomputer programming, and it runs on millions of microcomputers worldwide.

Why? Because it's easy to write, run, and edit programs in Microsoft BASIC. It uses English-like commands and lets you program in an interactive environment. Programs are easily written by entering the program text and executed by simply typing RUN. And Microsoft BASIC's built-in program development features make it easy to identify and correct errors.

Yet it's versatile enough to meet the needs of advanced programmers. It has the powerful features needed for complex applications, ranging from accounting and scientific analysis to educational and recreational programs.

System Requirements

CP/M-80	▪ 32K memory ▪ One disk drive
MS-DOS	▪ 44K available user memory* (64K recommended) ▪ One disk drive

*Use MS-DOS "chkdsk" utility to determine if available memory meets or exceeds 44K.

Also available for Apple Macintosh (see separate section)

Microsoft BASIC Compiler.

The best of both worlds.

The Microsoft BASIC Compiler combines the benefits of BASIC with the fast execution of a compiler.

It makes efficient use of memory, so you can create larger programs; it simplifies arithmetic expressions and makes maximum use of integers. It also features double-precision tran scendental functions that carry numerical accuracy to 16 digits.

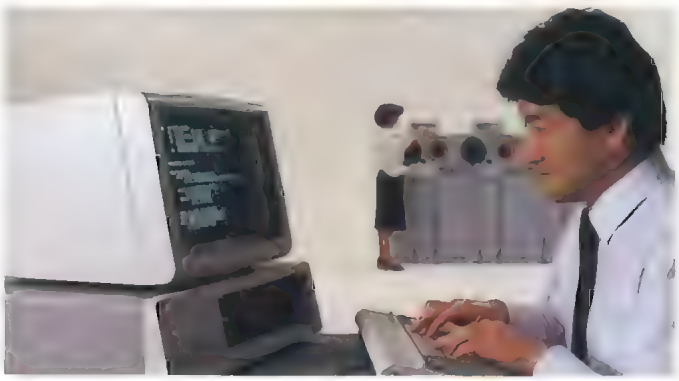
The Microsoft BASIC Interpreter and Microsoft BASIC Compiler form an unbeatable development team. Write, edit, and debug your program interactively with the BASIC Interpreter, and then compile it with the BASIC Compiler for faster program execution.

System Requirements

Apple II with all Microsoft SoftCard products	▪ 44K memory ▪ One disk drive
Apple IIe with all Microsoft SoftCard products	▪ 64K memory ▪ One disk drive
CP/M-80	▪ 48K memory ▪ One disk drive
MS-DOS	▪ 44K available user memory* (64K recommended) ▪ One disk drive (two recommended)

*Use MS-DOS "chkdsk" utility to determine if available memory meets or exceeds 44K.

Microsoft FORTRAN gives you capabilities comparable to those of larger systems for engineering and scientific applications.



Microsoft COBOL lets you use the programming skills that you've gained on mainframe computers and minicomputers in your work on microcomputers.

Microsoft Applesoft Compiler.

BASIC benefits for your Apple.

If you write programs in Applesoft BASIC, the Microsoft Applesoft Compiler is the ideal compiler for you. It converts Applesoft BASIC programs into true machine code, so they run 2 to 20 times faster than they do under the Applesoft Interpreter.

The Applesoft Compiler lets you compile and run complex BASIC programs quickly and efficiently. Apple IIe systems with 128K installed can take advantage of the additional bank of memory to create larger programs. It's compatible with the Applesoft BASIC Interpreter. So you can write and debug your programs in BASIC, then compile and execute them without having to learn a new language.

System Requirements

Apple II with Applesoft Firmware Card installed	▪ 48K memory ▪ One disk drive
Apple II+	▪ 48K memory ▪ One disk drive
Apple IIe	▪ 64K memory ▪ One disk drive

Microsoft COBOL Compiler.

The language of business.

COBOL has dominated commercial data processing on mainframes and minicomputers for many years because it's uniquely suited for business data processing. COBOL programs are hierarchically arranged and use English-like commands so they're easy to understand and maintain.

Microsoft COBOL has been specially tailored to the microcomputer environment. Engineered for consistency and compatibility with the ANSI standard, Microsoft COBOL gives you a structured environment that makes it easier to work with business data, advanced screen formatting capabilities, and interactive debugging. And you can also link and run your Microsoft COBOL programs with assembly language programs.

System Requirements

Apple II with all Microsoft SoftCard products	▪ 44K memory ▪ Two disk drives
Apple IIe with all Microsoft SoftCard products	▪ 64K memory ▪ Two disk drives
CP/M-80	▪ 48K memory ▪ One disk drive
MS-DOS 2.0	▪ 192K memory ▪ One double-sided disk drive

Microsoft FORTRAN Compiler.

For complex computations.

The Microsoft FORTRAN Compiler is based on the ANSI 1977 standard requirements. Additional extensions are included to optimize FORTRAN in the 16-bit microcomputer environment.

The FORTRAN Compiler features 8087 support. With FORTRAN programs compiled using Microsoft FORTRAN's 8087 support, the computation speed of mathematical expressions is greatly improved.

Microsoft FORTRAN supports extensive statements and data types, including complex numbers. And support for large arrays (greater than 64K bytes), separate module compilation, and overlays allows you to create very large programs.

The Microsoft FORTRAN Compiler also lets you easily link FORTRAN modules together with programs written in assembly language or Microsoft Pascal.

System Requirements

MS-DOS	▪ 160K available user memory* (192K recommended) ▪ Two disk drives

*Use the MS-DOS "chkdsk" utility to determine if available memory meets or exceeds 160K.

Microsoft FORTRAN-80 Compiler.

Great with numbers.

FORTRAN is the traditional programming language for scientific and engineering applications. And the Microsoft FORTRAN-80 Compiler is a powerful implementation of FORTRAN for 8-bit microcomputers.

If you need a language capable of computing complex mathematical formulas and expressions, the Microsoft FORTRAN-80 Compiler is for you. It generates true machine code and requires no more than 27K bytes of memory to compile most programs.

Microsoft FORTRAN-80 is based on the ANSI 1966 requirements (except the COMPLEX data type). Since most of the current scientific and engineering programs were written for that standard, you'll find lots of programs that can easily be adapted to Microsoft FORTRAN-80.

System Requirements

Apple II with all Microsoft SoftCard products	▪ 44K memory ▪ One disk drive
Apple IIe with all Microsoft SoftCard products	▪ 64K memory ▪ One disk drive
CP/M-80	▪ 32K memory ▪ One disk drive

The Microsoft Family of Languages.

Powerful development tools.

Microsoft C Compiler. For portable programs.

The concise structure and fast execution of Microsoft C make it an ideal language for systems-level programming. This full implementation of C produces optimized native code that is fast and compact. Source code and object code are compatible across MS-DOS and XENIX® 286 microcomputer environments. And there's an extensive library of subroutines that implement UNIX™ System V functions.

Small, medium, and large memory models, NEAR and FAR extensions, and mixed-model programming capabilities give you flexibility in selecting the addressing requirements of your software. You can design programs that use the available memory of your computer, up to 1 megabyte.

The Microsoft C Compiler gives you a complete development system including the compiler, runtime library, linker, and library manager, and full support of MS-DOS 2.0 pathname and I/O redirection.

System Requirements

MS-DOS 2.0	▪ 236K available user memory* (256K recommended) ▪ Two double-sided disk drives

*Use MS-DOS "chkdsk" utility to determine if available memory meets or exceeds 236K.

Microsoft Pascal Compiler. Combining structure with style.

The Microsoft Pascal Compiler is ideal for creating and maintaining complex programs. You get the benefits of a high-level language without sacrificing speed. And it interfaces with Microsoft FORTRAN and Macro Assembler.

The Microsoft Pascal Compiler gives you several options for floating-point operations including support for generating Intel® 8087 coprocessor in-line instructions for fast numeric processing. An additional math library emulates the 8087 in software. The decimal math package has a 14-bit BCD format that ensures more accurate dollars-and-cents calculations.

Microsoft Pascal provides many extensions to standard Pascal to aid programmers. Separate compilation is supported. Super arrays permit dynamic allocation of arrays at runtime. And other predeclared types like STRING and LSTRING can be used to process strings.

System Requirements

MS-DOS	▪ 160K available user memory* (192K recommended) ▪ Two disk drives

*Use MS-DOS "chkdsk" utility to determine if available memory meets or exceeds 160K.

Microsoft muLISP. Artificial intelligence development system.

Microsoft muLISP is our version of LISP, the language of choice among the artificial intelligence community. It's the fastest, most powerful implementation of LISP for microcomputers.

Microsoft muLISP is a high-level development language that's easy to learn and use. It has over 100 predefined functions, as well as Maclisp and Interlisp library files for compatibility with other popular LISP dialects. It also includes tutorial lessons to familiarize you with various functions.

You can create, test, and thoroughly debug any program you write without leaving the muLISP environment. By using muSTAR™, the resident screen-oriented editor, you don't get bogged down in the edit-debug-reedit cycle. So program development moves along much faster.

Microsoft muLISP. A simple, concise language for building complex programs.

System Requirements

MS-DOS	▪ 44K available user memory* (64K recommended) ▪ One disk drive

*Use MS-DOS "chkdsk" utility to determine if available memory meets or exceeds 44K.

Microsoft Macro Assembler. Assembly language development system.

Microsoft Macro Assembler is available in both 8-bit and 16-bit versions.

The 8-bit version generates Z80® and 8080 code; the 16-bit version generates code for 8086/8088 and 186/286 microcomputers. While both versions include a relocatable macro assembler, a versatile linker, a powerful cross-referencing facility, and a library manager, the MS-DOS version also includes a symbolic debug utility as well as MAKE, a program maintenance utility.

Macro assembly, conditional assembly, and a variety of other powerful assembler directives let you tap the power from the 8086/8087/8088 and now the 186/286 microprocessors. And you can link your assembly language routines to programs developed with the Microsoft BASIC, COBOL, FORTRAN, Pascal, or C Compilers.

System Requirements

CP/M-80	▪ 48K memory ▪ One disk drive
MS-DOS 2.0	▪ 108K available user memory* (128K recommended) ▪ One disk drive

*Use MS-DOS "chkdsk" utility to determine if available memory meets or exceeds 108K.

Microsoft Pascal is ideal for creating and maintaining large, complex programs. It gives you a complete development environment.

Microsoft A.L.D.S. Programs in three assembly languages.

When you program in assembly language, you're working at the "nuts and bolts" level of the computer. It's a totally free environment. You're limited only by the limitations of the microprocessor you're using.

Microsoft A.L.D.S. is an assembly language development system that lets you program in three different languages on your Apple II: Z80, 8080, and 6502.

This powerful system has many of the features of our Macro Assembler, plus many features for use on the Apple II. Such as a linking loader that lets you load programs with one command. A library manager. A cross-referencing facility. And a program to facilitate transfer of SoftCard CP/M-80 files to Apple DOS.

System Requirements

Apple II with all Microsoft SoftCard products	▪ 44K memory ▪ One disk drive
Apple IIe with all Microsoft SoftCard products	▪ 64K memory ▪ One disk drive

Microsoft Sort. File management.

Microsoft Sort is a professional sorting and merging facility capable of handling all your sorting requirements. It can also merge files, select a specified subset of files, and compare records.

You supply the set of data keys Sort uses to sequence data. There's no limit on the number or size of the set of data keys. So you have maximum flexibility in the number and arrangement of sorting requirements.

Microsoft Sort supports the file formats and data types of the Microsoft language products. It also provides comprehensive error reporting so you can locate and eliminate errors.

System Requirements

Apple II with all Microsoft SoftCard products	▪ 44K memory ▪ One disk drive
Apple IIe with all Microsoft SoftCard products	▪ 64K memory ▪ One disk drive
CP/M-80	▪ 48K memory ▪ One disk drive
MS-DOS	▪ 108K available user memory* (128K recommended) ▪ One disk drive

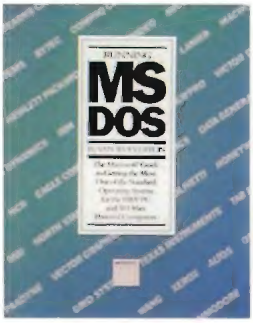
*Use MS-DOS "chkdsk" utility to determine if available memory meets or exceeds 108K.

The Microsoft language family covers a broad spectrum, including powerful development tools like Macro Assembler and the A.L.D.S. system.

Microsoft languages and operating systems run on more microcomputers than do any others.

Microsoft Books.

Best-sellers from Microsoft Press.



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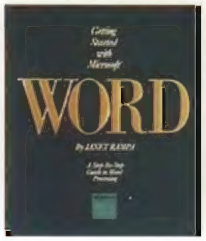

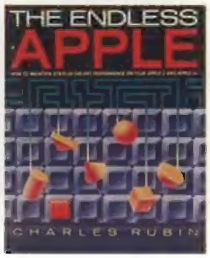

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